

DOCUMENTED CHROMOSOME NUMBERS 1992: 3.  
DOCUMENTATION AND NOTES ON THE  
DISTRIBUTION OF *MELICA MONTEZUMAE*<sup>1</sup>

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McVaugh (1949), Correll and Johnson (1970), and Gould (1975) reported the occurrence of *Melica montezumae* Piper in Pecos and Brewster counties, Texas. Warnock (1977) reported its occurrence at Lancaster Hill in Crockett County and in Jeff Davis County. The chromosome number for this species has not been reported. This paper reports the chromosome number and range extension for *M. montezumae*.

Chromosome counts were made from mitotic divisions in root tip cells. Root tips were collected mid morning from plants growing under glass and placed in iron-priopionocarmin overnight at 5° C. Ten cells from six different plants from Crockett County were counted and the chromosome number was found to be  $2n=2x=18$  (Fig. 1).

*Melica montezumae* was found to occur in three counties where it had not been previously reported. Collection data are:

TEXAS. Sutton Co.: 2 km W of Sonora on IH-10, 4 Mar 1992, *Read 922* (BRIT/SMU); 2 km S of exit to Caverns of Sonora on RR 1989, 5 Mar 1992, *Read 923* (BRIT/SMU). Terrell Co.: 16 km S of Sheffield on TX 349, 25 Apr 1991, *Read & Simpson s.n.* (BRIT/SMU). Val Verde Co.: 3 km S of Juno Ranch Road on RR 189, 25 Apr 1991, *Read & Simpson s.n.* (BRIT/SMU).

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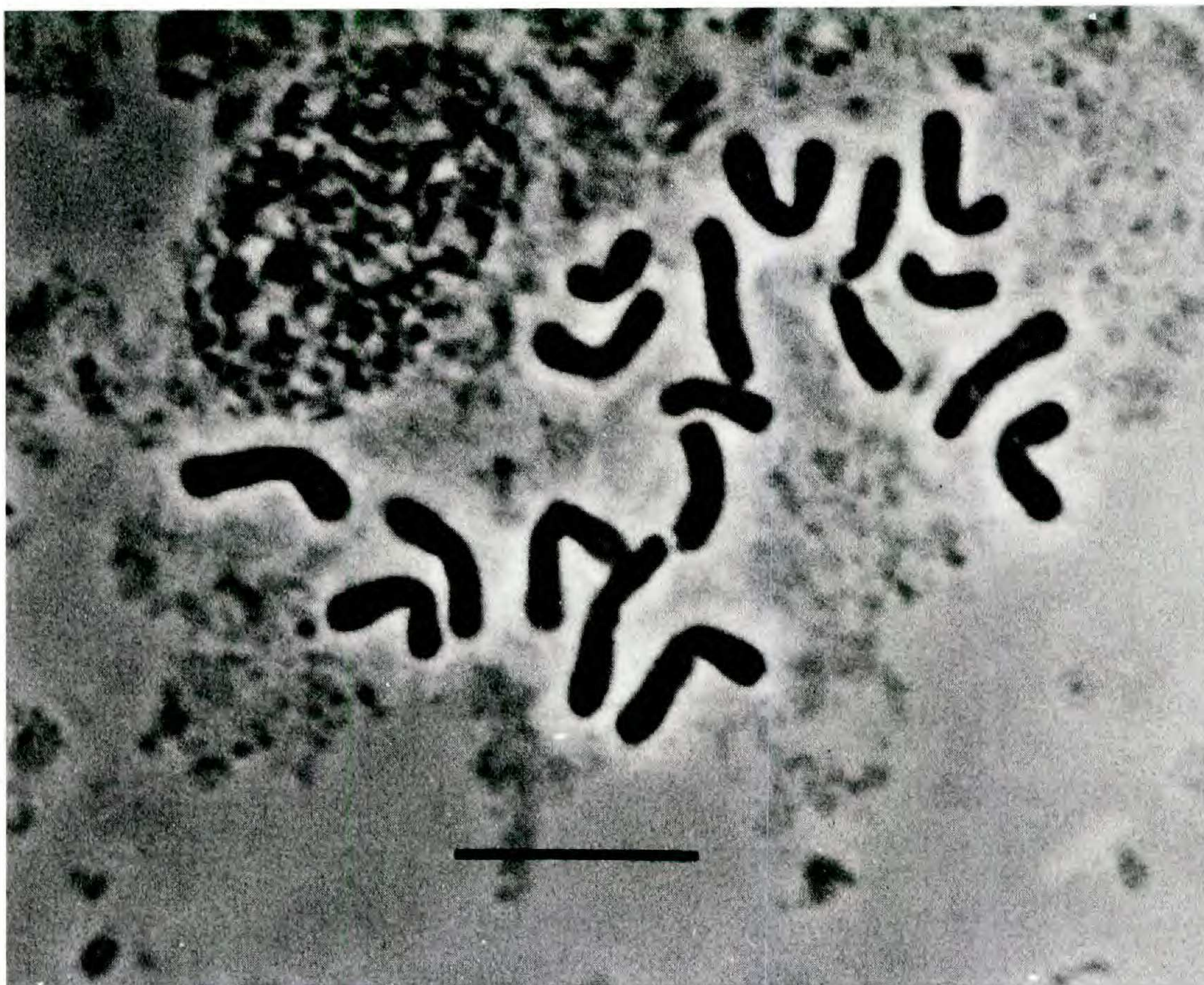


FIG. 1. Photomicrograph showing 18 chromosomes of *Melica montezumae*. Line is equal to 0.01 mm.